

Converting Colors

XYZ(13.3626, 10.8552, 39.8446)

Have a look what the booklet for
XYZ(13.3626, 10.8552, 39.8446)
contains.

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Color

**XYZ(13.3468, 10.8537,
39.9196)**

Conversions

Conversions Part 1

Format	Color
Hex	4955AB
RGB	73, 85, 171
RGB Percent	29%, 33%, 67%
CMY	0.7137, 0.6667, 0.3294
CMYK	0.57, 0.50, 0.00, 0.33
HSL	233°, 40%, 48%
HSV	233°, 57%, 67%
XYZ	13.3468, 10.8537, 39.9196
YIQ	91.2160, -34.7580, 24.2020

Conversions

Conversions Part 2

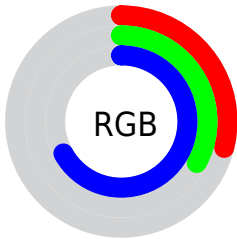
Format	Color
R _Y B	73, 84, 171
Decimal	4806059
CIE Lab	39.33, 21.38, -47.74
CIE LCh	39, 52.311, 294.126
Yxy	10.8537, 0.2082, 0.1693
Android (android.graphics.Color)	4282996139 (0xFF4955AB)
YUV	91.2160, 39.3335, -15.9754
Hunter-Lab	32.9450, 14.6610, -48.7806

Details

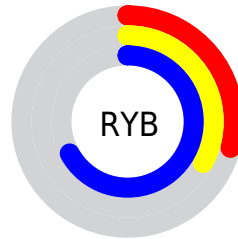
The XYZ color **13.3468, 10.8537, 39.9196** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **30.3963, 33.9368, 11.2525**, and the grayscale version is **9.9124, 10.4286, 11.3568**.

A 20% lighter version of the original color is **31.4435, 27.2634, 76.2782**, and **4.0288, 2.8256, 17.4726** is the 20% darker color. If you saturate the color by 10%, you get **11.1661, 8.1579, 39.5144**, and if you desaturate by 10%, it is **16.1352, 14.2350, 40.4255**.

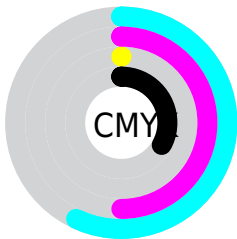
Distribution



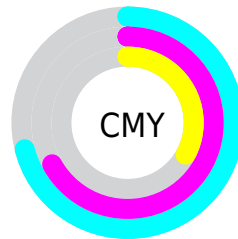
- Red (29%)
- Green (33%)
- Blue (67%)



- Red (29%)
- Yellow (33%)
- Blue (67%)



- Cyan (57%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)



- Cyan (71%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3468, 10.8537, 39.9196 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.3468, 10.8537, 39.9196 by changing the saturation by 10% instead.

■ 13.3468, 10.8537,
39.9196

■ 13.3468, 10.8537,
39.9196

206.7214,
196.6611, 361.3266

■ 7.7464, 5.9685,
27.1626

■ 31.5215, 27.3893,
76.2768

■ 3.9836, 2.8260,
17.4618

■ 44.8265, 39.8086,
100.7141

■ 1.6928, 1.0416,
10.3989

■ 61.4304, 55.5080,
129.8818

■ 0.4518, 0.0000,
5.5552

■ 81.6986, 74.8719,
164.1986

■ 0.0000, 0.0000,
2.5122

■ 105.9965, 98.2848,
204.0829

■ 0.0000, 0.0000,
0.8466

134.6894,

■ 0.0000, 0.0000,

126.1310, 249.9533

0.0000

168.1425,
158.7950, 302.2283

■ 13.3468, 10.8537,
39.9196

■ 13.3468, 10.8537,
39.9196

■ 11.1661, 8.1579,
39.5144

■ 16.1352, 14.2350,
40.4255

■ 9.5456, 6.0990,
39.2024

■ 19.5711, 18.3435,
41.0375

■ 8.4333, 4.6238,
38.9763

■ 23.6924, 23.2189,
41.7613

■ 7.7554, 3.6641,
38.8268

■ 28.5338, 28.8978,
42.6023

■ 7.6177, 3.4742,
38.7974

■ 34.1276, 35.4142,
43.5652

■ 40.5040, 42.8004,
44.6548

■ 47.6917, 51.0867,
45.8754

■ 55.7179, 60.3021,
47.2311

■ 64.6086, 70.4744,
48.7260

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.6369, 10.8537, 43.6216



13.3468, 10.8537, 39.9196



16.8519, 10.8537, 27.2625

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.3468, 10.8537, 39.9196



14.8271, 10.8537, 2.0278



4.9299, 10.8537, 9.9378

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.3468, 10.8537, 39.9196



30.3963, 33.9368, 11.2525

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.7354, 10.8537, 3.6942



13.3468, 10.8537, 39.9196



11.0265, 10.8537, 1.1099

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.3468, 10.8537, 39.9196



17.8339, 10.8537, 5.5197



7.7829, 10.8537, 1.4734



5.2784, 10.8537, 21.6778

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.3468, 10.8537, 39.9196



18.3195, 10.8537, 17.9726



7.7829, 10.8537, 1.4734



5.0676, 10.8537, 7.2581

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.3473, 10.8540, 39.9199



51.1087, 51.7617, 76.2992



23.4769, 33.0090, 37.4521



11.0001, 11.0784, 16.9463



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3473, 10.8540, 39.9199



19.0527, 13.4225, 70.5885



16.0324, 10.9531, 39.7975



7.6550, 7.9093, 10.0759



5.7645, 2.6628, 29.2547



0.1846, 0.1226, 0.8219

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.8173, 14.0795, 10.2149



33.9338, 20.4309, 11.2820



25.7685, 34.7637, 11.6560



8.0437, 8.0307, 8.5407



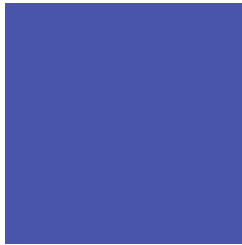
12.7733, 6.5719, 1.1856



0.3676, 0.1877, 0.0975

Previews

White Background



This preview shows how the XYZ color 13.3468, 10.8537, 39.9196 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.3468, 10.8537, 39.9196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

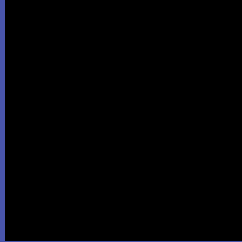
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3468, 10.8537, 39.9196

Background



This preview shows how black text looks on a background with the XYZ color 13.3468, 10.8537, 39.9196.



This preview shows how white text looks on a background with the XYZ color 13.3468, 10.8537,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.3468, 10.8537, 39.9196

Protanopia

12.5313, 10.9824, 42.5336

Deuteranopia

10.8856, 10.7586, 37.5793



Tritanopia

8.4829, 10.8254, 15.8298

Trichromacy



Original Color

13.3468, 10.8537, 39.9196

Protanomaly

12.7053, 10.8477, 41.4686

Deuteranomaly

11.2610, 10.5423, 38.4871

Tritanomaly

9.8763, 10.6930, 23.0161

Monochromacy



Original Color

13.3468, 10.8537, 39.9196

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6187, 10.3856, 19.2143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3468, 10.8537, 39.9196 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(73, 85, 171)` looks like.

```
.text, #text, p{  
    color:rgb(73, 85, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(73, 85, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 85, 171) }
```

Border

The CSS property to change the border of an element to XYZ 13.3468, 10.8537, 39.9196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 85, 171) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(73, 85, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(73, 85, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 85, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 85, 171);  
box-shadow:4px 4px 4px 4px rgb(73, 85,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3468, 10.8537, 39.9196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 85, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(73, 85,  
171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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